

Ryan J. Place

678-982-6022

rjplace9@gmail.com

31 Shadowlawn Rd, Marietta GA 30067

Education:

The University of Georgia, Athens, GA

- Bachelor of Science in Microbiology
- 08/2009-05/2013
- GPA: 3.17/4.0, Hope Scholarship Recipient

Research Experience:

Department of Infectious Diseases, UGA, Athens, GA: Dr. Biao He's Lab

- 08/2011-05/2013
- BSL 2
- Assisted Post-Doctorate, Dr. Zhuo Li in his research on J Virus and PIV5
- Analyzed the function of the TM gene of J Virus.
- Utilized Parainfluenza Virus 5 as a vaccine vector for Influenza A viruses.
 - H5N1 Hemagglutinin or Nucleoprotein were inserted into the genome of PIV5 and then were injected into either mice or ferrets, after a designated time the subjects were challenged with H5N1 and H1N1
- Presented research conducted during summer of 2012 to Dr. Biao He's Lab.

Carter Consulting Inc.

Contractor with MMRHLB at the CDC

- 08/2014-09/2016
- BSL 2
- Optimization and development of high-throughput optical density immunocolorimetric neutralization assay (ODICNA)
 - Development and optimization of the assay for use with the varicella zoster viruse
 - Developed a working focus-forming immunocolorimetric neutralization assay using VZV vaccine virus
 - Presented a poster at the International Herpes Workshop 2016 over proof of concept study
 - Use Hudson Solo Robot, Progroup Wellpro, Biotek EL406, and Biotek Eon to achieve high-throughput

IHRC, Inc.

Contractor with MMRHLB at the CDC

- 09/2016- Present
- BSL 2
- Continuing the development and optimization of ODICNA

Laboratory Skills:

PCR, plasmid and genomic DNA purification, transformation of plasmids into bacteria, transfection of Parainfluenza Virus 5 and J Virus into cells, plaque assay, ELISA,

immunofluorescence assay, focus-forming immunocolorimetric neutralization assay, and flow cytometry

Laboratory Equipment:

I have used the following equipment independently:

- PCR machine, laminar flow hoods, fluorescence microscope, automated ELISA analyzer, spectrophotometer, incubators, gel photography box and software associated, Qiacube, Elispot, Hudson Solo Robot, and Biotek EL406

Cell Lines:

293-T, HeLa, Vero, MDBK, MDCK, BHK, BSR-T7, MeWO, HLF

Publications:

- Zhuo Li, Alaina Mooney, Jon D. Gubbard, Xiudan Gao, Pei Xu, **Ryan J. Place**, Robert J. Hogan, S. Mark Tompkins, and Biao He. (Oct 17, 2012). Recombinant Parainfluenza Virus 5 Expressing Hemagglutinin of Influenza A Virus H5N1 Protected Mice against Lethal Highly Pathogenic Avian Influenza Virus H5N1 Challenge. *Journal of Virology*. doi: 10.1128/JVI.02321-12
- Zhuo Li, Jon D. Gabbard, Alaina Mooney, Xiudan Gao, Zhenahi Chen, **Ryan J. Place**, S. Mark Tompkins, and Biao He. (Mar 20, 2013). Single Dose Vaccination Of A Recombinant Parainfluenza Virus 5 Expressing NP From H5N1 Provides Broad Immunity Against Influenza A Viruses. *Journal of Virology*. doi: 10.1128/JVI.00120-13
- Zhuo Li, Cher Hung, Reay G. Paterson, Frank Michel, Sandra Fuentes, **Ryan J. Place**, Yuan Lin, Robert J. Hogan, Robert A. Lamb, and Biao He. (Sep 21, 2015). Type II integral membrane protein, TM of J paramyxovirus promotes cell-to-cell fusion. *Proceedings of the National Academy of Sciences of the United States of America*. doi: 10.1073/pnas.1509476112

Computer Skills:

Linux, Python, Microsoft Word, Excel, PowerPoint, Adobe, and ApE

Employment:

- IHRC, Inc.
 - 09/2016-Present
- Carter Consulting Inc.
 - 08/2014-09/2016
- Undergraduate Research Worker: Dr. Biao He's Lab
 - 06/2012-08/2012
- Snelling Dining Hall
 - 08/2009-05/2011
- GeoVax
 - March 2013
- Caschco1000
 - 10/2013-12/2013
- Eddie Bauer
 - 09/2013-07/2014

References:

- Given upon request